



**ZERO**  
MOTORCYCLES®

**MACGYVER**  
SOLUTIONS, INC

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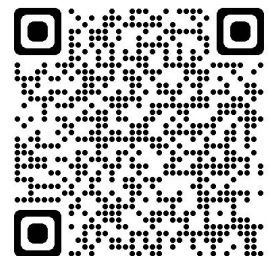
The Zero MMX is perfectly suited to military applications where silence, low heat signature, lack of exhaust, ease of operation and responsiveness are essential. The 100% electric powertrain offers personnel the ability to rapidly move over technical terrain while making virtually no noise and emitting no smell. Perhaps the most covert form of two-wheeled transportation, the motorcycle is completely silent when stopped and can accelerate instantly from 0 rpm.



Using Zero Motorcycles' industry-leading Z-Force® powertrain the Zero MMX features quick swappable power packs, direct drive gearing and an air cooled motor. With no transmission, powertrain fluids or gas the Zero MMX is also easy to transport and maintain.

**STANDARD FEATURES**

- Keyed ignition
- Modular and quick swappable power packs
- Ability to operate in wet conditions with a one meter submersion capability
- Hand Guards
- Tie Down and Tow Cable
- Aggressive Foot Pegs
- Chain-drive
- Off-board charger
- Off-road tires



**ZERO MMX ZF7.2 SPECIFICATIONS**

<b>RANGE</b>	
City	79 miles (127 km)
Recon riding	65-175 minutes
Aggressive tactical riding	45-155 minutes
<b>MOTOR</b>	
Peak torque	78 ft-lb (106 Nm)
Peak power	46 hp (34 kW) @ 4,300 rpm
Top speed (max)	85 mph (137 km/h)
Top speed (sustained)	70 mph (113 km/h)
Type	Z-Force® 75-5 passively air-cooled, high efficiency, radial flux, interior permanent magnet, brushless motor
Controller	High efficiency, 550 amp, 3-phase brushless controller with regenerative deceleration
<b>POWER SYSTEM</b>	
Power pack	Z-Force® Li-Ion intelligent modular
Max capacity	7.2 kWh
Nominal capacity	6.3 kWh
Charger type	1 kW, standalone
Charge time (standard)	6.0 hours (100% charged) / 6.5 hours (95% charged)
└ With one accessory charger	3.5 hours (100% charged) / 3.0 hours (95% charged)
└ With max accessory chargers	2.0 hours (100% charged) / 1.5 hours (95% charged)
Input	Standard 110 V or 220 V
<b>DRIVETRAIN</b>	
Transmission	Clutchless direct drive
Final drive	65T / 12T, 520 chain
<b>CHASSIS / SUSPENSION / BRAKES</b>	
Front suspension	Showa 41 mm inverted cartridge forks, with adjustable spring preload, compression and rebound damping
Rear suspension	Showa 40 mm piston, piggy-back reservoir shock with adjustable spring preload, compression and rebound damping
Front suspension travel	8.60 in (218 mm)
Rear suspension travel	8.94 in (227 mm)
Front brakes	J-Juan dual piston floating caliper, 240 x 4.5 mm disc
Rear brakes	J-Juan single piston floating caliper, 240 x 4.5 mm disc
Front tire	Pirelli MT-21 Rallycross 90/90-21
Rear tire	Pirelli MT-21 Rallycross 120/80-18
Front wheel	1.85 x 21
Rear wheel	2.50 x 18
<b>DIMENSIONS</b>	
Wheelbase	56.6 in (1,438 mm)
Seat height	34.7 in (881 mm)
Rake	25.4°
Trail	4.1 in (104 mm)
<b>WEIGHT</b>	
Curb weight	275 lb (125 kg)
Carrying capacity	355 lb (161 kg)
<b>ECONOMY</b>	
Equivalent fuel economy (city)	420 MPGe (0.56 l/100 km)
Typical cost to recharge	\$0.81

*\*Range and top speed vary based on riding style and drivetrain configuration.*